



**Department of Energy**

**Ohio Field Office  
Fernald Area Office**

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**3408**

DEC 15 2000

Mr. James A. Saric, Remedial Project Manager  
U.S. Environmental Protection Agency  
Region V-SRF-5J  
77 West Jackson Boulevard  
Chicago, Illinois 60604-3590

DOE-0203-01

Mr. Tom Schneider, Project Manager  
Ohio Environmental Protection Agency  
401 East 5<sup>th</sup> Street  
Dayton, Ohio 45402-2911

Dear Mr. Saric and Mr. Schneider:

**CONSOLIDATED CONSENT AGREEMENT/FEDERAL FACILITY COMPLIANCE  
AGREEMENT/FEDERAL FACILITY AGREEMENT/REMEDIAL INVESTIGATION/FEASIBILITY  
STUDY/CONSENT DECREE MONTHLY REPORT FOR THE PERIOD OF NOVEMBER 1,  
2000, THROUGH NOVEMBER 30, 2000**

This letter transmits the amended Consent Agreement Monthly Report for the period of November 1, 2000, through November 30, 2000. This report is formatted to reflect the proposal presented in the letter, DOE-0395-96, J. Reising to J. A. Saric and T. Schneider, "Phase VII Removal Actions and Reporting Requirements under the FEMP Legal Agreements," dated January 16, 1996, and agreed to by the U.S. Environmental Protection Agency (U.S. EPA) and Ohio Environmental Protection Agency (OEPA).

If you have any questions, please contact me at (513) 648-3139.

Sincerely,

Johnny W. Reising  
Fernald Remedial Action  
Project Manager

FEMP:Reising

Enclosure

3408

DEC 15 2000

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Mr. James A. Saric  
Mr. Tom Schneider

cc w/enclosure:

N. Hallein, EM-31, CLOV  
G. Jablonowski, USEPA-V, SRF-5J  
D. Sarno, FCAB  
V. Dastillung, FRESH  
P. Dunn, FRESH  
F. Hodge, Tetra Tech  
T. Hagen, Fluor Fernald, Inc./65-2  
M. Jewett, Fluor Fernald, Inc./52-2  
T. Walsh, Fluor Fernald, Inc./65-2  
AR Coordinator, Fluor Fernald, Inc./78

cc w/o enclosure:

A. Tanner, OH/FEMP  
F. Bell, ATSDR  
M. Schupe, HSI GeoTrans  
D. Carr, Fluor Fernald, Inc./2  
J. Harmon, Fluor Fernald, Inc./90  
S. Hinnefeld, Fluor Fernald, Inc./31  
B. Irvine, Fluor Fernald, Inc./65-2  
ECDC, Fluor Fernald, Inc./52-7

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CONSOLIDATED CONSENT AGREEMENT/FEDERAL FACILITY COMPLIANCE  
AGREEMENT/FEDERAL FACILITY AGREEMENT/REMEDIAL INVESTIGATION/FEASIBILITY  
STUDY/CONSENT DECREE MONTHLY REPORT NOVEMBER 1, 2000 THROUGH NOVEMBER  
31, 2000

**Introduction**

This report describes actions at the Fernald Environmental Management Project (FEMP) from November 1, 2000 through November 30, 2000. The monthly report has been revised to reflect the proposal presented in the letter, DOE-0395-96, J. Reising to J.A. Saric and T. Schneider, "Phase VII Removal Actions and Reporting Requirements under the FEMP Legal Agreements", dated January 16, 1996, and agreed to by USEPA and OEPA.

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**OPERABLE UNIT 1 - WASTE PITS REMEDIAL ACTION PROJECT**

November 2000

- Enforceable Milestones Completed
  - None
- Major Work Initiated/Continued/Completed
  - Loaded 12,575 tons of material from waste pits
  - Shipped 63 railcars (6,746 tons) of material for disposal at Envirocare

December 2000 (Anticipated)

- Enforceable Milestones Expected to be Completed
  - None
- Major Work to be Initiated/Continued/Completed
  - Load 8,451 tons of material from waste pits
  - Ship 60 railcars (6,459 tons) of material for disposal at Envirocare

**OPERABLE UNIT 2 - ON-SITE DISPOSAL FACILITY AND SOIL CHARACTERIZATION AND  
EXCAVATION PROJECT**

**Additional OU2 soils-related activities reported under OU5/Soils  
Characterization and Excavation Project**

November 2000

- Enforceable Milestones
  - On-Site Disposal Facility (OSDF)
    - None
- Soil Characterization and Excavation Project (SCEP)
  - Submitted Area 9, Phase II Precertification Project Specific Plan to DOE on November 20, 2000
- Major Work Initiated/Continued/Completed
  - On-Site Disposal Facility
    - Continued operation of the Bulk Debris Transfer Expansion Area
    - Completed erosion repair in the 3 foot Cell 1 Select
    - Demobilized the On-Site Disposal Facility Cell contractor
    - Initiated preparation of conceptual design for the new On-Site Disposal Facility Access Control Area, including equipment wash facility

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- Soil Characterization and Excavation Project (SCEP)
  - Area 1, Phase II
    - Received conditional OEPA approval of Certification Report on November 6, 2000
    - Submitted draft Certification Report Part Two to the DOE on November 29, 2000
  - Area 2, Phase I
    - Received OEPA approval of the Project Specific Plan for Direct-Push Sampling in the Former Inactive Flyash Pile/South Field Area on November 1, 2000
  - Area 2, Phase II
    - Continued real-time predesign scan
  - Area 9, Phase I
    - Submitted Draft Precertification Summary Report to DOE on November 21, 2000
  - Real Time Scan
    - Received OEPA approval of Draft Sodium Iodide (NaI) In Situ Gamma Spectroscopy Systems Calibration Report on November 27, 2000
    - Received USEPA conditional approval of the Draft High Purity Germanium (HPGe) Core Counter Calibration Report on November 2, 2000

**December 2000 (Anticipated)**

- Enforceable Milestones
  - None
- Major Work to be Initiated/Continued/Completed
  - On-Site Disposal Facility
    - Operate Bulk Debris Material Transfer Area expansion
  - Soil Characterization and Excavation Project (SCEP)
    - Area 2 Phase I
      - Continue analysis of the Active Flyash Pile footprint certification samples
    - 3A/4A
      - Issue Certified for Construction Package to DOE on December 1, 2000
      - Submit Project Specific Plan for Area 4B potentially characteristic area, and area west of Pilot Plant Predesign Investigation to DOE

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**OPERABLE UNIT 3 - FACILITIES CLOSURE AND DEMOLITION PROJECT**

November 2000

- Enforceable Milestones.
  - None
- Major Work Initiated/Continued/Completed
  - Began exterior transite removal at Plant 5A and metal siding removal at Plant 5 D areas
  - Continued demolition, equipment removal, interior dismantlement and friable transite removal in Plant 6 areas
  - Continued area restoration and completion reports in area of Buildings 28A and B
  - Directed D&D planning activities and supported field activities

December 2000 (Anticipated)

- Enforceable Milestones
  - None
- Major Work to be Initiated/Continued/Completed
  - Continue building exterior transite removal and metal siding removal in Plant 5 areas
  - Continue demolition, equipment removal, interior dismantlement and friable transite removal in Plant 6 area
  - Continue completion reports for in area of Buildings 28A and B
  - Direct D&D planning activities and support field activities

**OPERABLE UNIT 4 - SILOS PROJECT**

November 2000

- Enforceable Milestones
  - None
- Major Work Initiated/Continued/Completed
  - Incorporated responses to Agency comments into draft Final AWR project Remedial Design (RD) Package
  - Submitted responses to Agency comments on the Silo 3 Project Remedial Design Package on October 27, 2000 (not reported in the October report)
  - Completed installation of the Transfer Tank Area (TTA) tank foundations. Began form work for Radon Control System (RCS) Air Handling Building and Electrical Building

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December 2000 (Anticipated)

- Enforceable Milestones
  - None
- Major Work to be Initiated/Continued/Completed
  - Submit revised AWR Project RD Package to the Agencies for final review and approval
  - Continue AWR Project construction activities

**OPERABLE UNIT 5 - AQUIFER RESTORATION AND WASTEWATER PROJECT**

November 2000

- Enforceable Milestones
  - Submitted Monthly NPDES Discharge Monitoring Report to the OEPA on November 16, 2000
  - Met 20 parts per billion (ppb) monthly average uranium discharge to Great Miami River as required by OU5 Record of Decision
- Work Initiated/Continued/Completed
  - Submitted the September 2000 Operation Report for the Re-Injection Demonstration on October 31, 2000 to DOE for transmittal to the Agencies; DOE transmitted on November 3, 2000

December 2000 (Anticipated)

- Enforceable Milestones
  - Submit the NPDES Discharge Monitoring Report to the OEPA
  - Meet 20 parts per billion (ppb) monthly average uranium discharge to Great Miami River as required by OU5 Record of Decision
- Work to be Initiated/Continued/Completed
  - Continue to perform maintenance/rehabilitation on injection and extraction wells
  - Complete the aquifer pumping test in the Pilot Plant Drainage Ditch Area
  - Resume work on the preliminary design of the Waste Storage Area aquifer restoration module

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WASTE MANAGEMENT

November 2000

- Enforceable Milestones
  - None
- Work Initiated/Continued/Completed
  - Liquid Mixed Waste (Bulking) Project
    - Continued various plans for bulking of Batch 11
    - Submitted Compatibility Assessment request for TSCA 1023 to Waste Characterization
  - Neutralization/Precipitation/Deactivation/Stabilization Project (NPDS)
    - Repackaging task order is in process for NPDS thorium
    - Assisting Waste Characterization in resolving uncharacterized treated inventory
  - Organic Treatment Project
    - Reviewing Real-Time Radiography (RTR) data of six First Article drums
    - Awaiting EPA discussions with Soil and Water project to include Fire Training Facility inventory for possible disposal at the OSDF
  - Thorium Legacy Waste Project (TLWP)
    - Completed RTR reviews for Campaigns TH 1006, 1007, and 1008, Addendum 1 to Material Review Checklists for TH 1004 and 1009, and Material Review Checklist for TH 1011
    - Initiated new Material Review Checklist for TH 1011
    - Completed seven new shipments of thorium residues; a total of 14 of 32 shipments to be completed
  - Waste Minimization/Pollution Prevention
    - Continue to revise Request for Proposal (RFP) for oil recycling
    - Began preparations for Annual and Affirmative Procurement Reports

December 2000 (Anticipated)

- Enforceable Milestones
  - None
- Work to be Initiated/Continued/Completed
  - Hazardous Waste Project
    - Complete Shipping Classification and Packaging Compliance Requirements Documents (SC&PCRD) for electrical waste
    - Prepare for shipment of photochemicals from Springdale on December 6, 2000



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- Liquid Mixed Waste (Bulking) Project
  - Await Batch 10 sample analysis
  - Continue bulking of Batch 11 waste into Southern Consolidation Tank, as weather permits
  - Initiate development of task order to add consolidation tank within the bulking area
- Organic Treatment Project
  - Finalize absorbent determinations
  - Initiate sampling and analysis request and task order for Fire Training Facility soils
- Thorium Legacy Waste Project
  - Begin development of expression of interest for Thorium treatment
  - Continue moving hydrogen generating material and RTRing, loading and shipping Thorium Residues
  - Begin preparation for processing remaining Thorium inventory to be shipped
- Wastewater Treatment Project
  - Continue AWWT waste treatment with staging/transfer of remaining AWWT 1003 containers
- Waste Minimization/Pollution Prevention
  - Prepare draft of FY2000 Annual Report